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1 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

 November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on C research**
Full text available: [pdf\(4.21 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process execution diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often complex and do not provide the user with the desired overview of the application. In our experience, such diagrams lead to repeated occurrences of non-trivial communication patterns.

2 [Status report of the graphic standards planning committee of ACM/SIGGRAPH: State-of-the-art software packages](#)

Computer Graphics staff

September 1977 **ACM SIGGRAPH Computer Graphics**, Volume 11 Issue 3Full text available: [pdf\(9.03 MB\)](#)Additional Information: [full citation](#), [references](#)

3 [Illustrative risks to the public in the use of computer systems and related technology](#)

Peter G. Neumann

January 1996 **ACM SIGSOFT Software Engineering Notes**, Volume 21 Issue 1Full text available: [pdf\(2.54 MB\)](#)Additional Information: [full citation](#)

4 [The FINITE STRING Newsletter: Abstracts of current literature](#)

Computational Linguistics Staff

January 1987 **Computational Linguistics**, Volume 13 Issue 1-2

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[pdf\(6.15 MB\)](#)

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5 [Risks to the public: Risks to the public in computers and related systems](#)

Peter G. Neumann

May 2002 **ACM SIGSOFT Software Engineering Notes**, Volume 27 Issue 3


Full text available:

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6 Parallel execution of prolog programs: a survey

Gopal Gupta, Enrico Pontelli, Khayri A.M. Ali, Mats Carlsson, Manuel V. Hermenegildo


July 2001 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 23Full text available:  [pdf\(1.95 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index te](#)

Since the early days of logic programming, researchers in the field realized the potential for exploiting parallelism present in the execution of logic programs. Their high-level nature, the presence of non-determinism and their referential transparency, among other characteristics, make logic programs interesting candidates for obtaining speedups through parallel execution. At the same time, the fact that the typical applications of logic programming frequently involve irregular computations ...

Keywords: Automatic parallelization, constraint programming, logic programming, parallelism, prolog

7 Pen computing: a technology overview and a vision



André Meyer

July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3Full text available:  [pdf\(5.14 MB\)](#)Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pen-based primary means of interaction between a user and a machine, picking up the familiar pen and paper metaphor. From this follows a set of consequences that will be analyzed and put into context with existing technologies and visions. Starting with a short historic ...



8 The FINITE STRING newsletter: Abstracts of current literature

Computational Linguistics Staff

January 1986 **Computational Linguistics**, Volume 12 Issue 1Full text available:  [pdf\(2.24 MB\)](#) [Publisher](#) Additional Information: [full citation](#)
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9 Design of LMT: a prolog-based machine translation system



Michael C. McCord

March 1989 **Computational Linguistics**, Volume 15 Issue 1Full text available:  [pdf\(2.36 MB\)](#) [Publisher](#) Additional Information: [full citation](#), [abstract](#), [references](#)
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LMT (logic-based machine translation) is an experimental English-to-German MT system, being developed within the framework of logic programming. The English analysis uses a logic grammar formalism, Modular Logic Grammar, which allows logic grammars to be more compact, and which has a modular treatment of syntax, semantics and pragmatics. The English grammar is written independently of the task of translation. LMT uses a syntactic method for translation, although the English syntactic analysis is ...

10 Special issue of the lexicon: Large lexicons for natural language processing: utilising the grammar system of LDOCE

Bran Boguraev, Ted Briscoe

July 1987 **Computational Linguistics**, Volume 13 Issue 3-4Full text available:  [pdf\(1.66 MB\)](#) [Publisher](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)
[Site](#)

This article focusses on the derivation of large lexicons for natural language processing. We describe the development of a dictionary support environment linking a restructured version of the Longman Dictionary of Contemporary English with a restructured version of the Longman Dictionary of Contemporary English ...

Contemporary English to natural language processing systems. The process of restructuring the in machine readable version of the dictionary is discussed. The Longman grammar code system is us 'theory neutral' lexical entries. We demonstrate how such lexi ...

11 Evaluating message understanding systems: an analysis of the third message understanding (MUC-3)

Nancy Chinchor, David D. Lewis, Lynette Hirschman

September 1993 **Computational Linguistics**, Volume 19 Issue 3

Full text available:



pdf(3.00 MB)



[Publisher](#)

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This paper describes and analyzes the results of the Third Message Understanding Conference (MUC-3), the purpose, history, and methodology of the conference, summarizes the participating systems, methods of measuring system effectiveness, describes the linguistic phenomena tests, and provides a critical evaluation in terms of the lessons learned. One of the common problems with evaluations is that the significance of the results is unknown. In the discussion ...

12 The use of description logics in KBSE systems

Premkumar Devanbu, Mark A. Jones

April 1997 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 6

Full text available:  pdf(365.07 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The increasing size and complexity of many software systems demand a greater emphasis on capturing and maintaining knowledge at many different levels within the software development process. This knowledge includes descriptions of the hardware and software components and their behavior, external and internal data specifications, and support for system testing. The Knowledge-based software engineering (KBSE) paradigm is concerned with systems that use formally represented knowledge ...

Keywords: automated software engineering, knowledge basis, logics, software development environment, testing, tools

13 Special issue on word sense disambiguation: Introduction to the special issue on word sense disambiguation: the state of the art

Nancy Ide, Jean Véronis

March 1998 **Computational Linguistics**, Volume 24 Issue 1

Full text available:



pdf(3.44 MB)



[Publisher](#)

Additional Information: [full citation](#), [references](#)

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14 DATR: a language for lexical knowledge representation

Roger Evans, Gerald Gazdar

June 1996 **Computational Linguistics**, Volume 22 Issue 2

Full text available:



pdf(3.14 MB)



[Publisher](#)

Additional Information: [full citation](#), [abstract](#), [references](#)


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Much recent research on the design of natural language lexicons has made use of nonmonotonic inheritance networks as originally developed for general knowledge representation purposes in Artificial Intelligence. A simple, spartan language for defining nonmonotonic inheritance networks with path/value equations has been designed specifically for lexical knowledge representation. In keeping with its intendedly minimalist design, it lacks many of the constructs embodied in more complex systems ...

15 The use of description logics in KBSE systems: experience report

Premkumar T. Devanbu, Mark A. Jones

May 1994 **Proceedings of the 16th international conference on Software engineering**


Full text available:  pdf(1.39 MB)

Additional Information: [full citation](#), [references](#)

16 Sequential thematic organization of publications: how to achieve coherence in proposals and

J. R. Tracey, D. E. Rugh, W. S. Starkey

August 1999 **ACM SIGDOC Asterisk Journal of Computer Documentation**, Volume 23 Issue 3


Full text available:  [pdf\(3.80 MB\)](#)

Additional Information: [full citation](#), [index terms](#)

17 Talking to UNIX in English: an overview of UC

Robert Wilensky, Yigal Arens, David Chin

June 1984 **Communications of the ACM**, Volume 27 Issue 6

Full text available:  [pdf\(2.03 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index te](#)


UC is a natural language help facility which advises users in using the UNIX operating system. Use about how to do things, command names and formats, online definitions of UNIX or general opera terminology, and debugging problems in using commands. UC is comprised of the following compc language analyzer and generator, a context and memory model, an experimental common-sense | extensible knowledge bases on both the UNIX domain and the ...

Keywords: ellipsis, goal analysis, memory models, natural dialogue, reference disambiguation

18 Exact analysis of the cache behavior of nested loops

Siddhartha Chatterjee, Erin Parker, Philip J. Hanlon, Alvin R. Lebeck

May 2001 **ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN 2001 conference on I language design and implementation**, Volume 36 Issue 5

Full text available:  [pdf\(1.66 MB\)](#)


Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index te](#)

We develop from first principles an exact model of the behavior of loop nests executing in a memc using a nontraditional classification of misses that has the key property of composability. We use f formulas to express various kinds of misses as well as the state of the cache at the end of the loop existing tools to simplify these formulas and to count cache misses. The model is powerful enough imperfect loop nests and various flavors of non-lin ...

19 Parsing with flexibility, dynamic strategies, and idioms in mind

Oliviero Stock

March 1989 **Computational Linguistics**, Volume 15 Issue 1

Full text available:  [pdf\(2.00 MB\)](#)

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One desirable aspect of a syntactic parser is being meaningful (i.e., contributing to incremental int during the process of parsing and not only at the end of it. This becomes even more important wh flexible word order languages, where the number of alternatives in parsing may grow dangerously is WEDNESDAY 2. It is a lexicon-based parser, relying on the chart mechanism combined with a p unification, guided by the so-called Principle of ...

20 Analyzing English syntax with a pattern-learning parser

Keren McConlogue, Robert F. Simmons

November 1965 **Communications of the ACM**, Volume 8 Issue 11

Full text available:  [pdf\(1.83 MB\)](#)

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